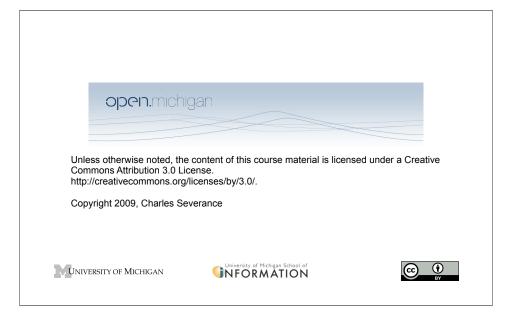
Google App Engine Adding a Login Screen

ae-08-login

Textbook: Using Google App Engine (Chapter 6)



Adding a Login Screen

- One of the benefits of using a "Base" template and extending it is the ability to easily add new screens
- We will quickly add a login screen to our application



Steps

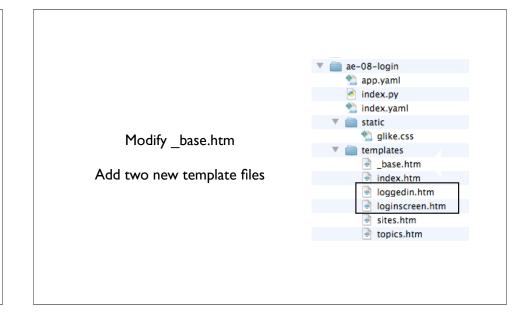
- Make a bit of utility code to do the render steps
- Determine a URL for the login screen
- GET will display the screen
- POST will check the password and optionally log you in
- Add a LoginHandler and add a route for /login to that handler
- Build the template for loginscreen.htm
- Build the Python code for LoginHandler

```
def doRender(handler, tname='index.htm', values={}):
    temp = os.path.join(
        os.path.dirname(__file__),
        'templates/' + tname)
    if not os.path.isfile(temp):
        return False

# Make a copy and add the path
    newval = dict(values)
    newval['path'] = handler.request.path

outstr = template.render(temp, newval)
    handler.response.out.write(outstr)
    return True
```

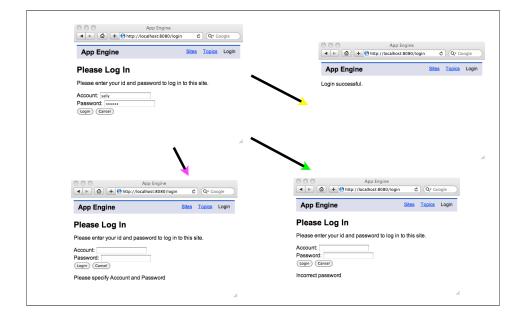




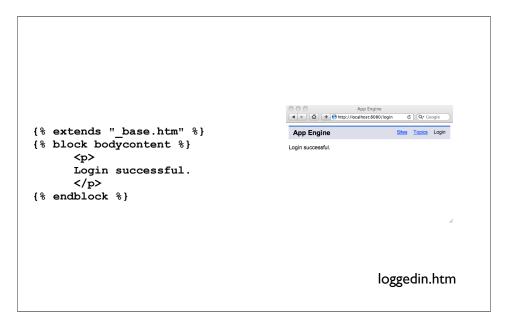
```
base.htm
         <a href="sites.htm"</a>
               {% ifequal path '/sites.htm' %}
                     class="selected"
               {% endifequal %}
              >Sites</a>
         <a href="topics.htm"</a>
               {% ifequal path '/topics.htm' %}
                     class="selected"
               {% endifequal %}
             >Topics</a>
         <a href="/login"</p>
               {% ifequal path '/login' %}
                     class="selected"
               {% endifequal %}
             >Login</a>
```

Handling the POST

- The incoming fields come as "account" and "password"
- We check for empty fields, or bad password, and if the users knows the right password, we give them a nice message.



```
def post(self):
    acct = self.request.get('account')
    pw = self.request.get('password')
    logging.info('Checking account='+acct+' pw='+pw)
    if pw == '' or acct == '':
        doRender(
            self,
            'loginscreen.htm',
            {'error' : 'Specify Acct and PW'} )
    elif pw == 'secret':
        doRender(self,'loggedin.htm',{ } )
    else:
        doRender(
            self,
            'loginscreen.htm',
             {'error' : 'Incorrect password'} )
```



```
{% extends " base.htm" %}
{% block bodycontent %}
     <h2>Please Log In</h2>
     Please enter your id and password to log in to this site.
     >
     <form method="post" action="/login">
     Account: <input type="text" name="account"/> <br>
     Password: <input type="password" name="password"/> <br/>
     <input type="submit" value="Login"/>
     <input type="submit" value="Cancel"</pre>
         onclick="window.location='/'; return false;"/>
     </form>
     {% ifnotequal error None %}
      {{ error }}
      loginscreen.htm
      {% endifnotequal %}
{% endblock %}
```